

Certificate

awarded to



(((())) KNORR-BREMSE

Knorr-Bremse Systeme für Schienenfahrzeuge **GmbH**

Moosacher Straße 80 80809 Munich, Germany

Bureau Veritas Certification certifies that the Management System of the above organisation has been assessed and found to be in accordance with the requirements of the standards detailed below.

Standard

DIN EN ISO 50001:2018

Scope of application

Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Braking Systems, Coupling Systems, Converter, Electrical Preassemblies Automatic Entrance Systems, HVAC Systems, Sanitary Systems, Resistors, Components for Power Electronics and Special Applications, various Onboard and Toilet Equipment, Fans, Impellers and Ancillaries as well as assembly, test and modernization of converter and electrical preassemblies for the Railway Sector and Industry Applications.

Supply of Brake Equipment for Medium and Heavy Commercial Vehicles Assembly, Test, and Modernization of Converter and Electrical Preassemblies for Conversion of Renewable Energy and for Test Systems Service for temporary work and business consulting Design, Refurbishment, Overhaul, Incident Repair and Coded Maintenance of Rail Vehicles and associated Components. Provision of material solutions for T & RS Components and Spares.

Certification cycle start date: 21 December 2021

Subject to the continual satisfactory operation of the organisation's Management System,

this certificate expires on: 20 December 2024

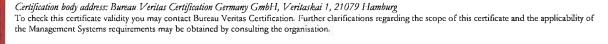
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Deutsche Akkreditierungsstelle D-ZM-16024-01-00

Certification Manager

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Knorr-Bremse Systeme für Schienenfahrzeuge GmbH

Moosacher Straße 80 80809 Munich, Germany

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Standard

DIN EN ISO 50001:2018

Site	Scope of application
Knorr-Bremse SfS GmbH Moosacher Straße 80 80809 Munich, Germany	Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Braking Systems and Coupling Systems for the Railway Sector.
Knorr-Bremse GmbH Div IFE Automatic	Design and Development, Sales,
Door Systems	Commissioning, Maintenance and
33.a Street 1	Customer Service of Automatic Entrance
3331 Kematen/Ybbs, Austria	Systems for the Railway Sector.
IFE-CR a.s. Evropská 839 664 42 Modřice, Czech Republic	Design and Development, Manufacturing, Commissioning, Maintenance and Customer Service of Automatic Entrance Systems for the Railway Sector.
Knorr-Bremse Sistemas para Veículos Ferroviários Ltda. Via Cyrineu Tonolli, 1519 - Nova Era Itupeva - SP, 13295-970, Brazil	Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Brake and Onboard Systems for Rail Vehicles as well as Platform Screen Doors.

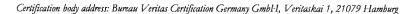
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Site	Scope of application
Knorr-Bremse Sistemas para Veículos Comerciais Brasil Ltda. Via Cyrineu Tonolli, 1519 - Nova Era Itupeva - SP, 13295-970, Brazil	Development and Manufacturing of Commercial Vehicle Brake Systems, Active Vehicle Safety Systems, Integrated Vehicle Modules, Steering Column Systems and Other Related Chassis Management System Components for the Heavy Vehicle Industry.
Knorr-Bremse Systèmes Ferroviaires France SA 9 route Champigny 51430 Tinqueux, France	Manufacturing, Sales, Maintenance, Commissioning and Customer Service of Braking Systems as well as Sales, Maintenance, Commissioning and Customer Service of Automatic Entrance Systems, HVAC Systems and Sanitary Systems for the Railway Sector.
Heine Resistors GmbH Otto-Mohr-Straße 5 01237 Dresden, Germany	Design and Development, Manufacturing and Sales of Resistors for the Railway Sector and Industry Applications.
Knorr-Bremse SfS GmbH Zweigniederlassung Berlin Georg-Knorr-Str. 4 12681 Berlin, Germany	Manufacturing, Commissioning, Maintenance and Customer Service of Braking Systems for the Railway Sector.

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Certification body address: Bureau Veritas Certification Germany Gmbl-1, Veritaskai 1, 21079 l-lamburg





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Site	Scope of application
Knorr-Bremse Services GmbH	Design and Operation of Global Knorr-
Moosacher Str. 80	Bremse IT Services and Development of
80809 Munich, Germany	Knorr-Bremse Specific IT Solutions.
	Central Strategic Management of the
Knorr-Bremse AG	Knorr-Bremse Group and Support of
Moosacher Str. 80	Operative Processes within the Knorr-
80809 Munich, Germany	Bremse Business Divisions Commercial
	Vehicle Systems and Rail Vehicle Systems.
	Design and Development, Manufacturing,
New York Air Brake LLC	Sales and Customer Service of Pneumatic,
748 Starbuck Ave	Electro-Pneumatic and Hydraulic Brake
Watertown, NY 13601,	Equipment as well as Manufacturing and
United States	Customer Service of Sanitary Systems for
	the Railway Sector.

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Site	Scope of application
Knorr-Bremse Vasúti Jármû Rendszerek	Design and Development, Manufacturing,
Hungária Kft.	Sales, Commissioning, Maintenance and
Helsinki út 105	Service of Braking Systems and Coupling
1238 Budapest, Hungary	Systems for the Railway Sector
Knorr-Bremse India Pvt. Ltd. 51/4 KM Stone, Vill.&PO Baghola, Delhi- Mathura Road (NH2) Palwal, Haryana 121102, India	Manufacturing, Sales, Maintenance and Customer Service of Braking Systems, Entrance Systems and Various Onboard Equipment for the Railway Sector. Design and Development, Manufacturing, Sales and Customer Service of Heating,
	Ventilation and Air conditioning (HVAC) and Sanitary Systems for the Railway Sector.

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Site	Scope of application
Knorr-Bremse Rail Systems Italia S.r.l. Via San Quirico 199 50013 Campi Bisenzio (FI), Italy	Design and Development, Manufacturing, Sales Commissioning, Maintenance and Customer Service of Braking Systems, On Board Systems, Coupling Systems and Sanitary Systems for the Railway Sector. Sales, Commissioning, Maintenance and Customer Service of Automatic Entrance Systems, HVAC, Couplers for the Railway Sector.
Microelettrica Scientifica S.p.A. Via Lucania 2/4/6/8 20090 Buccinasco (MI), Italy	Design, Manufacturing and After Sales Service of Contactors, Disconnectors, DC High Speed Circuit Breakers, Power Resistors, Relays, Transducer and Switchgears for DC Traction Applications for Railway and Industrial Markets.
Knorr-Bremse España S.A. Miguel Faraday, 1 28906 Getafe, Madrid, Spain	Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Brakes and HVAC Systems for Railway Sector. Sales, Commissioning, Maintenance and Customer Service for Automatic Entrance Systems for Rail Vehicles as well as Platform Screen Doors.

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Site	Scope of application
Kalmar Tågkompetens AB Torsåsgatan 3A, 39239 Kalmar, Sweden	Service for Temporary Work and Business Consulting.
Knorr-Bremse System för Tunga Fordon AB Traktorvägen 8 22660 Lund, Sweden	Sales of KB Commercial Vehical System Brake Equipment.
Knorr-Bremse Rail Systems Sweden AB Traktorvägen 8 22660 Lund, Sweden	Sales, Aftermarket, Customer Service and Maintenance of Braking Systems, Automatic Entrance Systems and HVAC Systems for the Railway Sector.

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Site	Scope of application
Knorr-Bremse Pamplona, S.L. Poligono Industrial de Agustinos Calle G, S/N Pamplona 31013 (Navarra) Spain	Design and Development, Manufacturing of Brake Blocks and Disk Brake Pads for Railway Applications.
Knorr-Bremse Rail Systems (UK) Ltd Westinghouse Way, Hampton Park East, Wiltshire, SN126TL, Melksham, United Kingdom	Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Braking Systems, HVAC Systems, Automatic Entrance Systems for the Railway Sector. Sales and Customer Service of Sanitary Systems for the Railway Sector.Manufacturing and After Sales Service of Contactors, Disconnectors, DC High Speed Circuit Breakers, Power Resistors, Switchgears for DC Traction Applications for Railway and Industrial Markets.

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Knorr Brake Company 1 Arthur Peck Dr Westminster, MD 21157, United States	Design and Development, Manufacturing, Sales, Commissioning, Maintenance and Customer Service of Braking Systems, HVAC Systems, Automatic Entrance Systems for the Railway Sector. Sales and Customer Service of Sanitary Systems for the Railway Sector. Manufacturing and After Sales Service of Contactors, Disconnectors, DC High Speed Circuit Breakers, Power Resistors, Switchgears for
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